

Release notes for ENDF/B Development e-092_U_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-092_U_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + U + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + U [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + U [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + U + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + U [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + U1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 116110. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + U2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 21768. eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + U2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 21044. eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + U2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 17182. eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + U3s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5521.3 eV!

 9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + U3p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5181.5 eV!

 10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + U3p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4289.6 eV!

 11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + U3d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3736.8 eV!

 12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + U3d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3555.2 eV!

 13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + U4s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1419.9 eV!

 14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + U4p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1264.2 eV!

 15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + U4p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1030.5 eV!

 16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + U4d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 778.1799999999999 eV!

 17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + U4d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 735.14 eV!

 18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + U4f5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 402.09 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + U_4f7/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 390.75 eV!
20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + U_5s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 320.65 eV!
21. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + e^- + U_5p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 259.38 eV!
22. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + e^- + U_5p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 203.39 eV!
23. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + e^- + U_5d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 112.35 eV!
24. Calculated and tabulated thresholds don't agree
reaction label 23: $e^- + e^- + U_5d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 104.02 eV!
25. Calculated and tabulated thresholds don't agree
reaction label 24: $e^- + e^- + U_5f5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 8.91 eV!
26. Calculated and tabulated thresholds don't agree
reaction label 25: $e^- + e^- + U_5f7/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 7.95 eV!
27. Calculated and tabulated thresholds don't agree
reaction label 26: $e^- + e^- + U_6s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 52.23 eV!
28. Calculated and tabulated thresholds don't agree
reaction label 27: $e^- + e^- + U_6p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 34.09 eV!
29. Calculated and tabulated thresholds don't agree
reaction label 28: $e^- + e^- + U_6p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 24.57 eV!

30. Calculated and tabulated thresholds don't agree
reaction label 29: $e^- + e^- + U6d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4.74 eV!

31. Calculated and tabulated thresholds don't agree
reaction label 30: $e^- + e^- + U6d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4.13 eV!

32. Calculated and tabulated thresholds don't agree
reaction label 31: $e^- + e^- + U7s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5.78 eV!

● xsectplotter Warnings:

1. Mislabeled emitted particle
Error: ZAP messed up

stderr while processing crossSection

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
... [4 more lines]